Arvind



 Email: arvind.388237@2freemail.com

Objective



To obtain a full-time employment as an electrical design engineer in a reputed MEP consultancy firm, and utilize my experience obtained thus far and passion for sustainable design, to drive a positive change in the organization.

Education



|  |  |
| --- | --- |
| Physics, Chemistry, Mathematics and | March 2000 — May 2011 |
| Economics |  |
| Delhi Private School, Sharjah, U.A.E |  |
| Bachelor of Technology in Electrical and | August 2011 — May 2015 |
| Electronics Engineering |  |
| Amrita Vishwa Vidyapeetham University |  |
| Diploma in Electrical CAD | May 2015 — June 2015 |
| CADD Centre, Kochi, India |  |
| Master of Science in Energy Engineering | September 2017 — August 2018 |
| Heriot Watt University |  |
| Work experience |  |
| CKR Consulting Engineers, Dubai, U.A.E | June 2015 — February 2019 |
| Design Engineer-Electrical |  |

1. Design of the following electrical services in accordance with local authority regulations (DEWA & ADDC) and client requirements for residential buildings, commercial buildings, retails units, F&B units, hotels and serviced apartments from concept stage upto handover stage:-

a. HV/LV Power Distribution Systems b. Lighting Systems

c. Fire Alarm Systems

d. Emergency Lighting Systems

e. Earthing and Lightning Protection Systems

1. Well versed with the following local authority regulations:

a. DEWA Regulations of Electrical Installations 1997 & 2017 Edition

1. DEWA Guideline of 11kV-22kV Substations 2014 Edition
2. UAE Fire and Life Safety Code of Practice 2017 Edition

Arvind Rajiv 1

1. Preparation of the following electrical design calculations: a. Transformer loading calculations

b. Generator loading and staggered starting calculations c. Power factor correction calculations

d. Voltage Drop calculations e. Diversity Factor calculations f. UPS loading calculations g. MV distribution Schedules h. LV Distribution Schedules i. LV Schematic Diagrams

j. Earthing Schematic Diagrams k.UPS Schematic Diagrams

1. Coordination of all electrical services with the following stakeholders during design and construction stage: a. MEP Consultants

b. Architects

c. Structural Engineers d. Interior Designers

e. Rational Fire Consultants

f. Kitchen and F&B Consultants g. Landscape Consultants

h. Vertical Transport Consultants

1. Supervision of electrical services on site, ensuring that the installations are in compliance to local authority requirements.

CKR Consulting Engineers, Dubai, U.A.E December 2014 — January 2015

Trainee

Learned about the design of **Electrical Infrastructure - Low Voltage Power Distribution Systems** for



commercial and residential buildings.

Well-versed with interpretation of lighting and power distribution layouts using **AutoCAD**.



Adept in designing of lighting systems for commercial and residential buildings by using **DiaLUX 4.12**.



Implementation of reactive power compensation in commercial and residential buildings.



KELTRON (Kerala State Electronics December 2013 — January 2014

Development Corporation)

Trainee

Learned about the electrical and electronic components present in a 600 KVA Uninterrupted Power Supply (UPS). Learned about the functioning of machines such as Lathe Machines, Bench Drilling Machines and Sheering Machines.



Academic Projects



Detection, Modeling and Analysis of Rotor Bearing Fault in a Three Phase Induction Motor by Motor Current Signature Analysis using ANSYS Maxwell 2D and NI LabVIEW. (B.Tech. Dissertation)



Determination of Positive Sequence, Negative Sequence and Zero Sequence Impedances in an Alternator Variable Frequency Drives: Energy Savings Potential (M.Sc Dissertation)



Strengths



* Self motivated
* Detail oriented
* Responsible
* Holding a valid UAE Driver's License

Arvind Rajiv 2